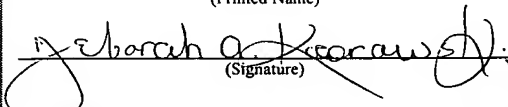




Atty. Dkt. No. 043739-0175
U.S. Ser. No. 10/069,434

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thornton et al.
Title: HUMAN CARBONIC
ANHYDRASES
Appl. No.: 10/069,434
Filing Date: 07/18/2002
Examiner: Saidha, Tekchand
Art Unit: 1652

CERTIFICATE OF EXPRESS MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
EV 459167845 US (Express Mail Label Number)	December 30, 2004 (Date of Deposit)
Deborah A. Kocorowski (Printed Name)	
 (Signature)	

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

01/05/2005 HVUDNG1 00000003 10069434

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180.00 OP

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

FEE

A fee in connection with submission of an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 12/30/2004

FOLEY & LARDNER LLP
Customer Number: 22428

By M. Scott McBride

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: December 30, 2004 <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	
			10/069,434	
			Filing Date	
			07/18/2002	
			First Named Inventor	
		Michael B. THORNTON		
			Group Art Unit	
			1652	
			Examiner Name	
			Saidha, Tekchand	
Sheet 1 of 1			Attorney Docket Number	
			043739-0175	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	5,972,684		Bandman et al.	10/26/1999	

PATENT & TRADEMARK OFFICE								
FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A2		WO 01/62927	A2	INCYTE GENOMICS, INC. (Applicant)	08/30/2001		
	A3		WO 00/61748		HUMAN GENOME SCIENCES, INC. (Applicant)	10/19/2000		
	A4		WO 88/04688		HOWARD FLOREY INSTITUTE OF EXPERIMENTAL PHYSIOLOGY AND MEDICINE (Applicant)	06/30/1988		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A5	Lehtonen et al., "Characterization of CA XIII, a Novel Member of the Carbonic Anhydrase Isozyme Family*", <u>The Journal of Biological Chemistry</u> © 2004 by The American Society for Biochemistry and Molecular Biology, Inc., Vol. 279, No. 4, 01/23/2004, (pp. 2719-2727).	
	A6	NCBI, "Results of BLAST", "RID=1103129258-2658-110711874120.BLASTQ4," available at http://www.ncbi.nlm.nih.gov/blast/Blast.cgi , by at least 12/15/2004, (pp. 1-30).	
	A7	NCBI, NP_940986, "carbonic anhydrase XIII, available at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Protein&list... , by at least 12/15/2004, (pp. 1-2).	
	A8	Copy of the International Search Report for International Application No. PCT/US01/19166, date of mailing of the International Search Report 05/22/2002, (2 pgs.).	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.